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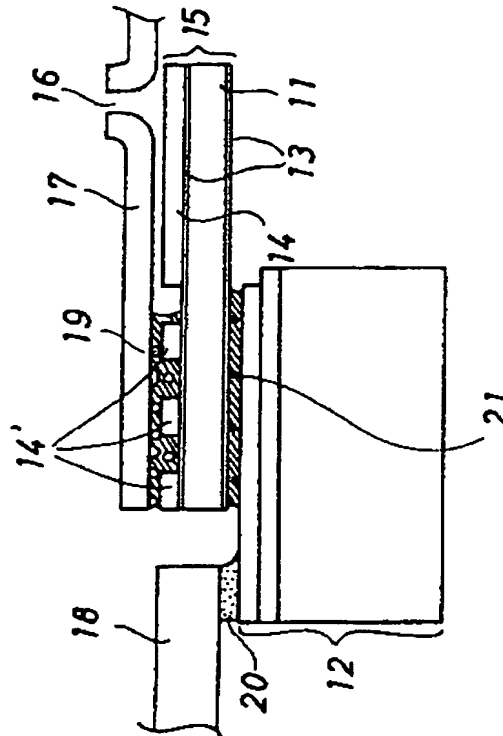
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ABSTRACT : PURPOSE: To enhance printing quality without generating mutual effect between adjacent piezoelectric converters by dividing a metal layer at the fixed part of a piezoelectric converter, i.e., at a cantilevered beam structure, and suppressing the amplitude of vibration.

CONSTITUTION: The piezoelectric converter 15 fixed to a support substrate 12 is divided in a rod shape by dicing and the metal layers 14, 14' of the piezoelectric converter 15 are polished to perform the surface finishing of respective rod-shaped piezoelectric converters and the metal layer 14' of the fixed part is bonded to a nozzle plate 17. Since the metal layer 14' of the fixed part is formed in a stripe shape in the direction vertical to the rod-shaped piezoelectric converter 15, a bonding material flows to the gap of the metal layers and the nozzle plate 17 is closely bonded to the metal layer 14' of the fixed part through a gap material 19 and the gap between the piezoelectric converter 15 in a nozzle part and the nozzle plate is controlled constant.

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